

APPENDIX II
EXPLANATORY DRAWINGS

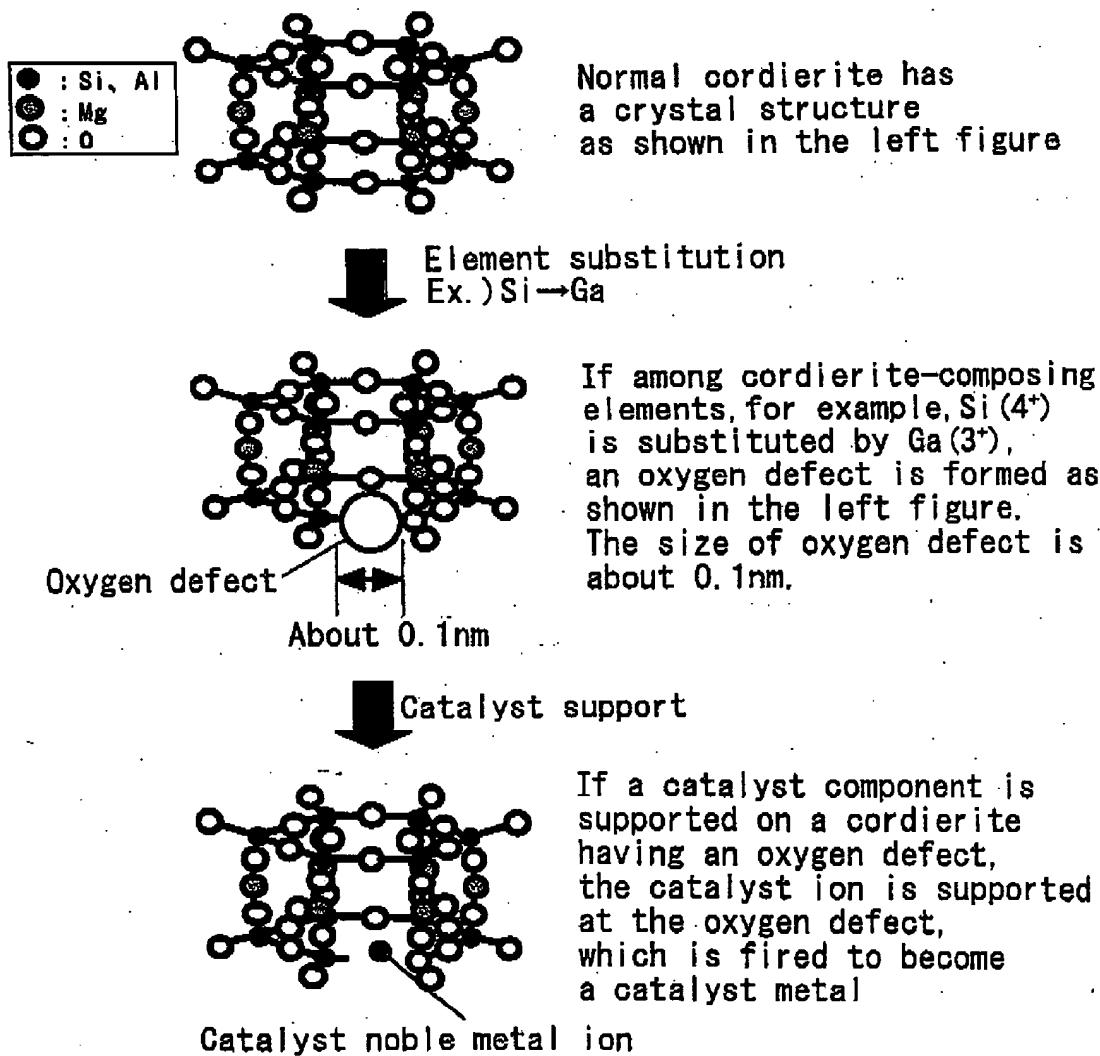
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MECHANISM OF CATALYST SUPPORTING OF PRESENT INVENTION(1)

1) Lattice Defects by Element Substitution

Formation of lattice defects within cordierite crystal

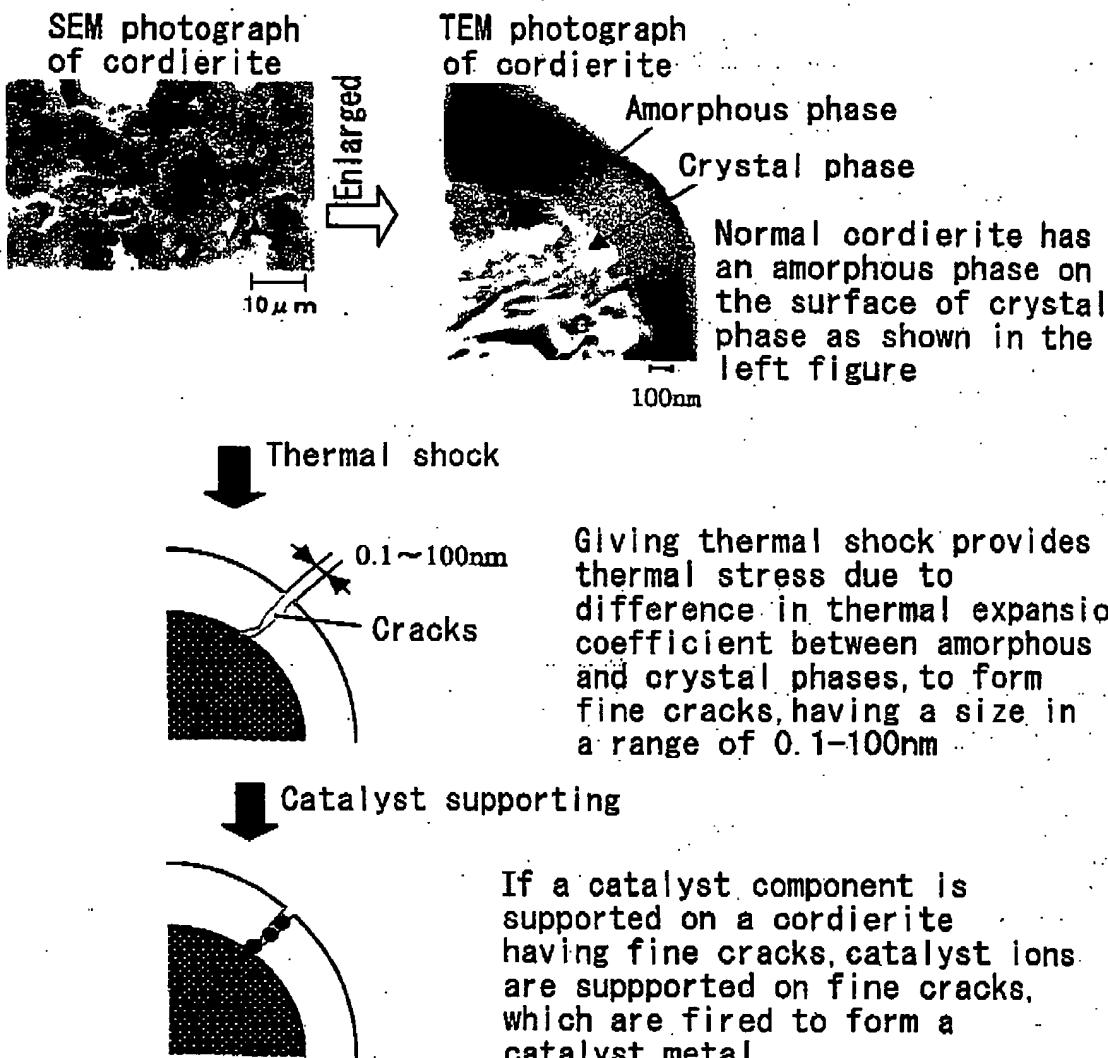


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MECHANISM OF CATALYST SUPPORTING OF PRESENT INVENTION (2)

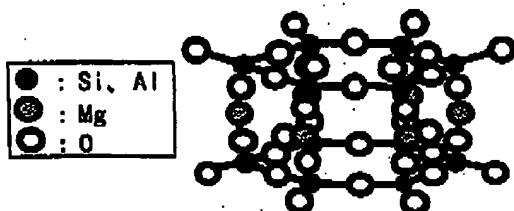
2) Fine Cracks

Formation of Cracks (fine cracks) in glass phase



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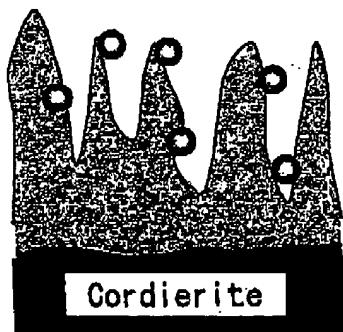
MECHANISM OF CATALYST SUPPORTING OF PRIOR ART



Normal cordierite has a crystal structure as shown in the left figure and does not have points to support a catalyst component



The left figure shows the surface of cell wall of a monolith support body, having a smooth surface for the catalyst component, so that there are no points to support a catalyst



By forming a γ -alumina layer having a large specific surface area on the surface of cordierite, a catalyst component is supported on the γ -alumina layer

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